

## Recovery Plan Action Status

**Plan Name:** Revised Recovery Plan for the Paiute Cutthroat Trout (*Oncorhynchus clarkii seleniris*)

**Plan Status:** Final Revision 1

**Plan Date:** 10-Sep-04

**Lead Agency:** USFWS

**Lead Office:** Nevada Fish And Wildlife Office

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861-6300 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Paiute cutthroat trout ( <i>Oncorhynchus clarkii seleniris</i> )	1	1	Remove nonnative fish from Silver King Creek downstream from Llewellyn Falls to barriers in Silver King Creek Canyon	Planned	FY 2012	FY 2014	U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Management: Predator and Competitor Control	Internal Field Assistance	
Paiute cutthroat trout ( <i>Oncorhynchus clarkii seleniris</i> )	1	2	Reintroduce Paiute cutthroat trout into renovated stream reaches in historic habitat in lower Silver King Creek	Planned	FY 2014	FY 2020	California Department of Fish and Game, U.S. Forest Service	Management: Reintroduction	Internal Field Assistance	Total estimated cost is over the entire life of the plan.
Paiute cutthroat trout ( <i>Oncorhynchus clarkii seleniris</i> )	2	3.1.1	Institute a habitat monitoring program	Planned	FY 2011		U.S. Forest Service	Management: General	Internal Field Assistance	Task expected to be necessary until delisting of the species. Costs are unknown.
Paiute cutthroat trout ( <i>Oncorhynchus clarkii seleniris</i> )	2	3.1.2	Monitor and manage amount of recreational trail and campsite use adjacent to occupied habitats in Silver King Creek watershed	Ongoing Current	FY 2000 - FY 2004		U.S. Forest Service	Management: Land Use	Internal Field Assistance	Continued implementation of action expected to be necessary after delisting. Total estimated cost is over the entire life of the plan.
Paiute cutthroat trout ( <i>Oncorhynchus clarkii seleniris</i> )	2	3.1.3	Protect Paiute cutthroat trout habitat from effects of grazing in Silver King Creek watershed	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, U.S. Forest Service	Management: Land Use	Internal Field Assistance	Continued implementation of action expected to be necessary after delisting. Costs are unknown.
Paiute cutthroat trout ( <i>Oncorhynchus clarkii seleniris</i> )	2	3.1.4	Conduct periodic surveys in Silver King Creek to detect reinvasion by beavers	Ongoing Current	FY 2005		California Department of Fish and Game, U.S. Forest Service	Management: Identify/Protect Foraging, Breeding and Mig Habitats	Internal Field Assistance	Task expected to be necessary until delisting of the species. Total estimated cost is over the entire life of the plan.

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Paiute cutthroat trout (Oncorhynchus clarki seleniris)	2	3.1.5	Remove beavers from Silver King Creek watershed if detected and dismantle dams and lodges if any are built	Ongoing Current	FY 2005		California Department of Fish and Game, U.S. Forest Service	Management: Identify/Protect Foraging, Breeding and Mig Habitats	Internal Field Assistance	Continued implementation of action expected to be necessary after delisting. Costs are unknown.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	3.1.6	Develop and implement solutions for other identified problems in Silver King Creek	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Management: General	Internal Field Assistance	Total estimated cost is over the entire life of the plan.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	2	3.2.1	Conduct periodic habitat surveys at North Fork Cottonwood Creek	Ongoing Current	FY 2006		U.S. Forest Service	Management: Identify/Protect Foraging, Breeding and Mig Habitats	Internal Field Assistance	Task expected to be necessary until delisting of species. Costs are unknown.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	2	3.2.2	Continue to enforce road closure barriers in North Fork Cottonwood Creek at existing and potential access points	Ongoing Current	FY 2000 - FY 2004		U.S. Forest Service	Management: Land Use	Internal Field Assistance	Task expected to be necessary until delisting of the species. Total estimated cost is over the life of the plan.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	2	3.2.3	Protect Paiute cutthroat trout habitat in North Fork Cottonwood Creek from effects of grazing	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, U.S. Forest Service	Management: Land Use	Internal Field Assistance	Continued implementation of action expected to be necessary after delisting. Costs are unknown.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	2	3.2.4	Maintain recreation opportunities as primitive and semi-primitive in North Fork Cottonwood Creek	Ongoing Current	FY 2000 - FY 2004		U.S. Forest Service	Management: Land Use	Internal Field Assistance	Continued implementation of action expected to be necessary after delisting. Costs are unknown.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	2	3.2.5	Conduct periodic surveys in North Fork Cottonwood Creek to detect reinvasion by beavers	Ongoing Current	FY 2006		California Department of Fish and Game, U.S. Forest Service	Acquisition: Easement	Internal Field Assistance	Task expected to be necessary until delisting of the species. Estimated cost is over the entire life of the plan.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	2	3.2.6	Remove beavers in North Fork Cottonwood Creek if detected and dismantle dams and lodges if any are built.	Planned			California Department of Fish and Game, U.S. Forest Service	Management: Identify/Protect Foraging, Breeding and Mig Habitats	Internal Field Assistance	Continued implementation of action expected to be necessary after delisting. Costs are unknown.

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Paiute cutthroat trout (Oncorhynchus clarki seleniris)	1	3.2.7	Construct a second barrier on lower North Fork Cottonwood Creek	Not Started			U.S. Forest Service	Management: Predator and Competitor Control	Contract	
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	2	3.2.8	Develop and implement solutions for other identified habitat problems in North Fork Cottonwood Creek	Planned	FY 2009		U.S. Fish and Wildlife Service, U.S. Forest Service	Management: Habitat Maintenance and Manipulation	Internal Field Assistance	Costs are unknown.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	3.3.1	Conduct periodic habitat surveys in Stairway Creek, Sharktooth Creek, and Cabin Creek	Ongoing Current	FY 2005		U.S. Forest Service	Management: Identify/Protect Foraging, Breeding and Mig Habitats	Internal Field Assistance	Task expected to be necessary until delisting of species.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	2	3.3.2	Protect Paiute cutthroat trout habitat from effects of grazing in Cabin Creek	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, U.S. Forest Service	Management: Land Use	Internal Field Assistance	Continued implementation of action expected to be necessary after delisting. Costs are unknown. A formal consultation was completed on June 1, 2010, which analyzed the impacts of grazing on the Indian Creek Allotment which Cabin Creek flows through (File No. 84320-2010-F-0088).
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	3.3.3	Develop and implement solutions for other identified habitat problems in Stairway Creek, Sharktooth Creek, and Cabin Creek	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Management: General	Internal Field Assistance	Total estimated cost is over the entire life of the plan.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	2	4.1.1	Maintain a seasonal guard in upper Silver King Creek	Not Started			California Department of Fish and Game, U.S. Forest Service	Management: Identify/Protect Foraging, Breeding and Mig Habitats	Contract	Continued implementation of action expected to be necessary after delisting. Total estimated cost is over the entire life of the plan.

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Paiute cutthroat trout (Oncorhynchus clarki seleniris)	1	4.1.2	Prevent exotic fish introductions into Paiute cutthroat trout waters	Ongoing Current	FY 2005		California Department of Fish and Game	Management: Predator and Competitor Control	Internal Field Assistance	Continued implementation of action expected to be necessary after delisting. Total estimated cost is over the entire life of the plan.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	4.2	Review existing laws and regulations and propose necessary changes	Ongoing Current	FY 2000 - FY 2004		California Department of Fish and Game	Management: General	Internal Field Assistance	Total estimated cost is over the life of the plan. CDFG change fishing regulations in 2006 for SKC below Llewellyn Falls to protect PCT.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	4.3.1	Monitor abundance and age class composition in Silver King Creek	Ongoing Current	FY 2005		California Department of Fish and Game, U.S. Forest Service	Management: General	Internal Field Assistance	Task is expected to be necessary until delisting of species. Total estimated cost is over the life of the plan. Surveys were conducted in 2010.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	4.3.2	Evaluate the potential for occurrence of hybrid trout in Silver King Creek	Ongoing Current	FY 2005		U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Management: Predator and Competitor Control	Internal Field Assistance	Task expected to be necessary until delisting of species. Estimated total cost is over the life of the plan. No hybrids were found in 2009 above Llewellyn Falls. Genetic samples were taken in 2010, no hybrids were found.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	2	4.3.3	Assess integrity of barriers in Silver King Creek	Ongoing Current	FY 2000 - FY 2004		California Department of Fish and Game, U.S. Forest Service	Management: Identify/Protect Foraging, Breeding and Mig Habitats	Internal Field Assistance	Task expected to be necessary until delisting of species. Total estimated cost is over the entire life of the plan. Barriers were inspected during high flows in 2010 and 2011.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	2	4.3.4	Mix populations in Silver King Creek as necessary to maintain genetic diversity	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Management: Reintroduction	Graduate Student	

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Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	4.3.5	Develop and implement actions, as needed, to protect genetic integrity in Silver King Creek	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Management: Reintroduction	Internal Field Assistance	Cost is unknown.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	4.4.1	Monitor abundance and age class composition in North Fork Cottonwood Creek	Ongoing Current	FY 2000 - FY 2004		California Department of Fish and Game, U.S. Forest Service	Management: General	Internal Field Assistance	Task expected to be necessary until delisting of the species. Total estimated cost is over the life of the plan. NF Cottonwood was last surveyed in 2008.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	2	4.4.2	Evaluate the potential for occurrence of hybrid trout in North Fork Cottonwood Creek	Ongoing Current	FY 2007		U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Management: Predator and Competitor Control	Internal Field Assistance	Task expected to be necessary until delisting of the species. Total estimated cost is over the entire life of the plan.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	2	4.4.3	Assess integrity of barriers in North Fork Cottonwood Creek	Ongoing Current	FY 2007		California Department of Fish and Game, U.S. Forest Service	Management: Identify/Protect Foraging, Breeding and Mig Habitats	Internal Field Assistance	Task expected to be necessary until delisting of the species. Total estimated cost is over the life of the plan.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	2	4.4.4	Mix populations in North Fork Cottonwood Creek as necessary to maintain genetic diversity	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Management: Reintroduction	Graduate Student	Cost is unknown.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	4.4.5	Develop and implement actions, as needed, to protect genetic integrity in North Fork Cottonwood Creek	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Management: Reintroduction	Internal Field Assistance	Cost is unknown.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	4.5.1	Monitor abundance and age class composition in Stairway Creek, Sharktooth Creek, and Cabin Creek	Ongoing Current	FY 2005		California Department of Fish and Game, U.S. Forest Service	Management: General	Internal Field Assistance	Task expected to be necessary until delisting of species. Total estimated cost is over the entire life of the plan. Sharktooth was last surveyed in 2004, Stairway in 2010, Cabin in 2000.

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Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	4.5.2	Evaluate the potential for occurrence of hybrid trout composition in Stairway Creek, Sharktooth Creek, and Cabin Creek	Ongoing Current	FY 2005		California Department of Fish and Game, U.S. Forest Service	Management: Predator and Competitor Control	Internal Field Assistance	Task expected to be necessary until delisting of species. Total estimated cost is over the entire life of the plan.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	4.5.3	Assess integrity of barriers in Stairway Creek, Sharktooth Creek, and Cabin Creek	Ongoing Current	FY 2005		California Department of Fish and Game, U.S. Forest Service	Management: Predator and Competitor Control	Internal Field Assistance	Task expected to be necessary until delisting of species. Total estimated cost is over the life of the plan.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	2	4.5.4	Mix populations in Stairway Creek, Sharktooth Creek, and Cabin Creek as necessary to maintain genetic diversity	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Management: Reintroduction	Graduate Student	Cost is unknown.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	4.5.5	Develop and implement actions, as needed, to protect genetic integrity in Stairway Creek, Sharktooth Creek, and Cabin Creek	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Management: Reintroduction	Internal Field Assistance	Cost is unknown.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	4.6	Explore additional out-of-basin locations	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Management: General	Internal Field Assistance	Cost is unknown.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	5.1	Develop long-term conservation plan	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Management: General	Internal Field Assistance	Estimated cost is over the life of the plan.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	5.2	Develop a conservation agreement	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Management: General	Internal Field Assistance	Cost is unknown.
Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	6.1	Manufacture and post informational signs	Complete	FY 2005	FY 2005	U.S. Forest Service	Management: General	Internal Field Assistance	New signs were posted in Silver King drainage in 2005. Informational pamphlets were made and distributed in 2011.

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Paiute cutthroat trout (Oncorhynchus clarki seleniris)	3	6.2	Notify user public of restoration goals, chemical treatments, and future management	Ongoing Current	FY 2005		U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Management: General	Internal Field Assistance	